



State of New Jersey
DEPARTMENT OF TRANSPORTATION

Thomas M. Downs
Commissioner

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IN REPLY PLEASE REFER TO
Materials Field
Laboratory & Curing
and Storage Facility

November 15, 1990

MEMORANDUM
All Design Units

Subject: Revision to the 1989 and 1983 Standard
Specifications, Subsection 106.06

Reference: All Design Unit Memorandum 89026 ADU,
dated July 13 1989, entitled Revisions to the
1983 Standard Specifications, Subsection 106.06

The Supplementary Specifications for all projects which include a materials field laboratory shall include revisions to Subsection 106.06 to provide for a nuclear density-moisture gauge in the equipment and testing apparatus specified for a materials field laboratory in order to test material in-place, and for a curing and storage facility as an alternate type of field laboratory.

In addition to the Specification revisions, pay items CURING AND STORAGE FACILITY SET-UP and CURING AND STORAGE FACILITY MAINTENANCE shall be included in the plans in addition to those required for a materials field laboratory. The determination of the need for, or type of, field laboratory will be made by the Department prior to construction.

The Specification revisions are as follows:

OX 106.06 MATERIALS FIELD LABORATORY.
OX -----
X THE LAST ITEM IN SUBPARAGRAPH NO 1. IS CHANGED TO:
X
OX * EQUIPMENT AND TESTING APPARATUS CONFORMING TO THAT
OX LISTED IN AASHTO T 11, T 27, T 99, T 119, T 152,
X T 180, T 238, T 239, AND T 248.
X
X THE FOLLOWING IS ADDED TO THIS SUBSECTION:
X
OX CURING AND STORAGE FACILITY
X -----
X
OX THE CONTRACTOR SHALL PROVIDE AND MAINTAIN IN GOOD CONDITION
X A CURING AND STORAGE FACILITY SECURE, HEATED, AND AIR-CONDITIONED,
OX FOR THE EXCLUSIVE USE OF AND AT A LOCATION APPROVED BY THE ENGIN-
OX EER. PROVISIONS FOR THIS ITEM SHALL BE DEFERRED UNTIL THE ENGIN-
X EER GIVES NOTIFICATION THAT THIS ITEM IS REQUIRED.
X

November 15, 1990

OX THE CURING AND STORAGE FACILITY SHALL BE READY FOR USE NOT
X LATER THAN 10 DAYS AFTER THE DATE OF SUCH NOTIFICATION AND SHALL
OX BE MAINTAINED UNTIL NO LONGER REQUIRED BY THE ENGINEER AND THEN
X SHALL BE REMOVED.
X
OX TESTING WILL NOT BE CONDUCTED UNTIL THE CURING AND STORAGE
X FACILITY IS READY FOR USE.
X
OX IT IS ESTIMATED THAT THE CURING AND STORAGE FACILITY IS RE-
X QUIRED FOR 1 MONTH AFTER COMPLETION.
X
OX ANY BUILDING SCHEDULED TO BE DEMOLISHED UNDER THIS CONTRACT
X WILL NOT BE PERMITTED TO BE USED AS A CURING AND STORAGE FACILITY.
X
OX THE ENCLOSURE FOR THE CURING AND STORAGE FACILITY SHALL BE
X CAPABLE OF MAINTAINING A CURING TEMPERATURE BETWEEN 60 AND 80
X DEGREES F THROUGHOUT THE ENTIRE FACILITY, AND SHALL HAVE A CON-
X CRETE FLOOR AREA OF NOT LESS THAN 225 SQUARE FEET AND A CEILING
OX HEIGHT OF NOT LESS THAN 7 1/2 FEET. IT SHALL HAVE AT LEAST ONE
X 3-PRONG ELECTRICAL OUTLET AND ADEQUATE ARTIFICIAL LIGHTING.
X
OX THE STORAGE FACILITY SHALL INCLUDE A 7-DAY SPRING DRIVEN
X TEMPERATURE RECORDING DEVICE CAPABLE OF PRODUCING A PERMANENT
X RECORD OF THE ROOM TEMPERATURE. A SUFFICIENT NUMBER OF WATER
X TANKS SHALL BE PROVIDED, DEEP ENOUGH TO FULLY SUBMERGE 12-INCH
OX CONCRETE CYLINDERS IN AN UPRIGHT POSITION. THE FACILITY SHALL
X BE EQUIPPED WITH THE FOLLOWING:
X
OX * SANITARY CONVENIENCES, AS SPECIFIED FOR A MATERIALS
X FIELD LABORATORY.
X * ONE TELEPHONE, INSTALLED AS DIRECTED.
X * ONE CLASS ABC FIRE EXTINGUISHER.
OX * ONE CLASS B FIRE EXTINGUISHER, MEETING FIRE
X UNDERWRITER'S APPROVAL.
X * ONE DESK AND TWO CHAIRS.
X * ONE COLD WATER FAUCET WITH HOSE.
X * ONE WHEELBARROW.
OX * EQUIPMENT AND TESTING APPARATUS CONFORMING TO THAT
X LISTED IN AASHTO T 119, T 141, AND T 152.
X

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-3-

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November 15, 1990

OX DOORS AND WINDOWS SHALL BE EQUIPPED WITH ADEQUATE LOCKS AND
X ALL KEYS SHALL BE IN POSSESSION OF THE ENGINEER.
X
OX ADEQUATE FREE PARKING SHALL BE PROVIDED AND MAINTAINED FOR
X THE CURING AND STORAGE FACILITY.
X
OX ALL OTHER PROVISIONS FOR MATERIALS FIELD LABORATORY, INCLUD-
OX ING SET-UP, MAINTENANCE, AND PAYMENT SHALL APPLY TO THE CURING AND
X STORAGE FACILITY.
X
X PAYMENT WILL BE MADE UNDER:
X
OX PAY ITEM PAY UNIT
X -----
OX CURING AND STORAGE FACILITY SET-UP UNIT
X CURING AND STORAGE FACILITY MAINTENANCE MONTH
X

If the 1989 Specifications are being utilized, the above text shall be inserted after line 599 of SI89 ROAD2.

If the 1983 Specifications are being utilized, the above text will be incorporated into GET FILE 10606 MATLAB in SI ROAD9. The use of this GET FILE after the date of this Memorandum will automatically include the revised text.

RECOMMENDED BY:

APPROVED BY:

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Implementation Code B

RKS:FC:ab

90010 ADU